

1. Title	Supervise steam turbine main body installation										
2. Code	EMPEIN503A										
3. Range	Supervise steam turbine main body installation work in general industrial plants, power plants or other places.										
4. Level	5										
5. Credits	6										
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Operating principle of steam turbine and its ancillary equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the operating principle of steam turbine and its ancillary equipment ◆ Know the classification of various types of steam turbine according to their properties ◆ Understand the construction and workflow of steam turbine ◆ Know the typical overall layout of steam turbine </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of supervising steam turbine installation</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Read and understand the installation instructions and procedures of installation manuals ◆ Compile the whole installation flow and plan for steam turbine according to manufacturer's installation manual, including: <ul style="list-style-type: none"> • Brief introduction to turbine installation method • Preparatory work for installation • Design of the organization of work • Concrete planning of work • Skills requirements for installation work • Common technical data for installation work ◆ Work out the schedule for steam turbine installation and supervise the engineering progress ◆ Arrange the layout for turbine installation work ◆ Select steam turbine lifting and transport machinery ◆ Allocate the workforce for turbine installation </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in supervising steam turbine installation</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow manufacturer's guidelines and procedures for steam turbine installation to perform the supervisory tasks ◆ Comply with the safety requirements for work and practical guidelines' requirements ◆ Control the progress of installing steam turbine, and comply with the engineering requirements and quality standards ◆ Ensure that components are adjusted to appropriate catenary construction according to the actual situation </td> </tr> </table>		6.1	Operating principle of steam turbine and its ancillary equipment	<ul style="list-style-type: none"> ◆ Understand the operating principle of steam turbine and its ancillary equipment ◆ Know the classification of various types of steam turbine according to their properties ◆ Understand the construction and workflow of steam turbine ◆ Know the typical overall layout of steam turbine 	6.2	Methods and procedures of supervising steam turbine installation	<ul style="list-style-type: none"> ◆ Read and understand the installation instructions and procedures of installation manuals ◆ Compile the whole installation flow and plan for steam turbine according to manufacturer's installation manual, including: <ul style="list-style-type: none"> • Brief introduction to turbine installation method • Preparatory work for installation • Design of the organization of work • Concrete planning of work • Skills requirements for installation work • Common technical data for installation work ◆ Work out the schedule for steam turbine installation and supervise the engineering progress ◆ Arrange the layout for turbine installation work ◆ Select steam turbine lifting and transport machinery ◆ Allocate the workforce for turbine installation 	6.3	Professionalism in supervising steam turbine installation	<ul style="list-style-type: none"> ◆ Follow manufacturer's guidelines and procedures for steam turbine installation to perform the supervisory tasks ◆ Comply with the safety requirements for work and practical guidelines' requirements ◆ Control the progress of installing steam turbine, and comply with the engineering requirements and quality standards ◆ Ensure that components are adjusted to appropriate catenary construction according to the actual situation
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to compile the installation flow and plan for steam turbine; (ii) Capable to supervise the steam turbine installation flow; (iii) Capable to compile the report on the supervision of steam turbine installation; and (iv) Capable to report on the installation of steam turbine.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of steam turbine installation.</p>